

# 10523634 EAST Search History J.C.D.

| Ref # | Hits   | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|------------------------|------------------|---------|------------------|
| S239  | 243    | 359/641,618,619,627,636,10,11,15,16,1.ccls. and @pd>"20070313"   | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:50 |
| S240  | 15     | 359/629.ccls. and @pd>"20070313"   | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:50 |
| S241  | 104    | 362/227-230,257,217.ccls. and @pd>"20070313"   | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S242  | 383    | 385/31,33,37.ccls. and @pd>"20070313"  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S243  | 139    | 372/26,29.011,96,99,101,102,108.ccls. and @pd>"20070313"   | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S244  | 142560 | (beam or ray or light\$3 or lite or illuminat\$3) adj2 (combin\$3 or unit\$3 or mix\$3 or compound\$3 or unif\$3 or match\$3 or join\$3 or pair\$3 or mat\$3 or "couple up" or "bring together") | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S245  | 2214   | 359/618,619.ccls.  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S246  | 676    | S244 and S245  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S247  | 323    | S246 and collimat\$3   | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S248  | 2428   | "quarter wave plate" and "half wave plate"   | US-PGPUB; USPAT; USOCR | OR               | ON      | 2007/11/05 17:51 |
| S249  | 32878  | (collimat\$3 or parallel) adj lens\$2  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S250  | 95392  | (beam or ray or light\$3 or lite or illuminat\$3) adj2 (convert\$3 or chang\$3 or alter\$3)  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 18:15 |
| S251  | 10304  | S249 and S250  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S252  | 859    | (359/629).CCLS.  | US-PGPUB; USPAT        | OR               | OFF     | 2007/11/05 17:51 |
| S253  | 35     | S252 and S251  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S254  | 104589 | (beam or ray or light\$3 or lite or illuminat\$3) adj2 (combin\$3 or unit\$3 or mix\$3 or compound\$3 or unif\$3)  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |
| S255  | 8306   | S249 and S254  | US-PGPUB; USPAT        | OR               | ON      | 2007/11/05 17:51 |

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|          |        |  |                    |    |    |                  |
|----------|--------|--|--------------------|----|----|------------------|
| S25<br>6 | 54     | S255 and S252  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S25<br>7 | 36     | S256 not S253  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S25<br>8 | 17     | S253 not S256  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S25<br>9 | 2964   | "semiconductor laser array" or<br>(semi-conductor adj laser)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 18:13 |
| S26<br>0 | 2      | S259 and S252  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>1 | 2073   | 359/618  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>2 | 165    | S251 and S261  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>3 | 94     | S254 and S262  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>4 | 95392  | (beam or ray or light\$3 or lite or<br>illuminat\$3) adj2 (convert\$3 or<br>chang\$3 or alter\$3)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>5 | 104589 | (beam or ray or light\$3 or lite or<br>illuminat\$3) adj2 (combin\$3 or<br>unit\$3 or mix\$3 or compound\$3 or<br>unif\$3)                     | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>6 | 148856 | (rotat\$3 or turn\$3 or revolv\$3 or<br>circumvolve) near5 degrees   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>7 | 21039  | S264 and S265  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>8 | 2078   | S267 and S266  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S26<br>9 | 103937 | ((beam or ray or light\$3 or lite or<br>illuminat\$3) adj2 (convert\$3 or<br>chang\$3 or alter\$3)) or "quarter<br>wave plate" or "wave plate" | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S27<br>0 | 2078   | S268 and S269  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S27<br>1 | 5123   | (372/26,29.011,96,99,101,102,<br>108).ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S27<br>2 | 14     | S270 and S271  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S27<br>3 | 4490   | (359/10,11,15,16,19,20,27,34,<br>558-563,568-573).ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |
| S27<br>4 | 34     | S270 and S273  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/05 17:51 |

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|          |        |   |                               |    |    |                  |
|----------|--------|---|-------------------------------|----|----|------------------|
| S27<br>5 | 6964   | (385/31,33,37).ccls.  | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S27<br>6 | 19     | S270 and S275   | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S27<br>7 | 1977   | (359/641,619,627,636).ccls.   | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S27<br>8 | 40     | S270 and S277   | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S27<br>9 | 153215 | (strip or strip\$3) and reflect\$3  | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 18:14 |
| S28<br>0 | 76116  | S279 and transmit\$4  | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>1 | 2077   | S280 and combiner   | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>2 | 1177   | S281 and laser  | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>3 | 477    | S282 and collimat\$3  | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>4 | 379    | S283 and degree   | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>5 | 327    | S284 and rotat\$3   | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>6 | 81     | S285 and (flat near\$3 (plate or surface))  | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>7 | 81     | S285 and (flat near\$3 (plate or surface))  | US-PGPUB;<br>USPAT            | OR | ON | 2007/11/05 17:51 |
| S28<br>8 | 13712  | (collimat\$3 or parallel) adj lens\$2   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/05 17:51 |
| S28<br>9 | 19337  | ((beam or ray or light\$3 or lite or illuminat\$3) adj2 (convert\$3 or chang\$3 or alter\$3)) or "quarter wave plate" or "wave plate" | FPRS;<br>EPO; JPO             | OR | ON | 2007/11/05 17:51 |
| S29<br>0 | 487    | S289 and S288   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/05 17:51 |
| S29<br>1 | 34250  | (beam or ray or light\$3 or lite or illuminat\$3) adj2 (convert\$3 or chang\$3 or alter\$3)   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/05 17:51 |
| S29<br>2 | 414    | S291 and S290   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/05 17:51 |
| S29<br>3 | 414    | S288 and S292   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/05 17:51 |

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|          |        |  |                               |    |     |                  |
|----------|--------|--|-------------------------------|----|-----|------------------|
| S29<br>4 | 284    | S293 and laser   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/05 17:51 |
| S29<br>5 | 152    | S294 and reflect\$3  | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/05 17:51 |
| S29<br>6 | 51     | S295 and transmit\$4   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/05 17:51 |
| S29<br>7 | 53     | S293 and condenser   | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/05 17:51 |
| S29<br>8 | 46     | S296 not S297  | FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/11/05 17:51 |
| S29<br>9 | 32878  | (collimat\$3 or parallel) adj lens\$2  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>0 | 95392  | (beam or ray or light\$3 or lite or<br>illuminat\$3) adj2 (convert\$3 or<br>chang\$3 or alter\$3)                          | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>1 | 10304  | S299 and S300  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>2 | 2073   | 359/618  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>3 | 165    | S301 and S302  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>4 | 104589 | (beam or ray or light\$3 or lite or<br>illuminat\$3) adj2 (combin\$3 or<br>unit\$3 or mix\$3 or compound\$3 or<br>unif\$3) | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>5 | 94     | S304 and S303  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>6 | 859    | (359/629).CCLS.  | US-PGPUB;<br>USPAT            | OR | OFF | 2007/11/05 17:51 |
| S30<br>7 | 35     | S306 and S301  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>8 | 8306   | S299 and S304  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S30<br>9 | 54     | S308 and S306  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S31<br>0 | 2964   | "semiconductor laser array" or<br>(semi-conductor adj laser)   | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |
| S31<br>1 | 2      | S310 and S306  | US-PGPUB;<br>USPAT            | OR | ON  | 2007/11/05 17:51 |

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|          |         |  |                              |    |    |                  |
|----------|---------|--|------------------------------|----|----|------------------|
| S31<br>2 | 36      | S309 not S307  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S31<br>3 | 17      | S307 not S309  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S31<br>4 | 259     | S312 or S313 or S311 or S307 or<br>S305 or S278 or S276 or S272 or<br>S274   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S31<br>5 | 782     | S306 not S314  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S31<br>6 | 341     | S315 and ((first and second) near2<br>(light\$3 or beam or ray or lite))   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S31<br>7 | 68      | S316 and ((ninety or "90") with<br>degrees)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:13 |
| S31<br>8 | 24      | ("20040067016"   "20040091013"<br>  "20040091209"   "4978197"  <br>"5155623"   "5258989"  <br>"5513201"   "5650873"  <br>"5798877"   "5946130"  <br>"6005717"   "6064528"  <br>"6151342"   "6175452"  <br>"6212216"   "6229831"  <br>"6337873"   "6356577"  <br>"6411323"   "6556352"  <br>"6680800"   "6683727"  <br>"6785440"   "6851610").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/05 17:51 |
| S31<br>9 | 45      | S270 and S302  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S32<br>0 | 219     | S247 and (reflect\$3 and<br>transmit\$4)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S32<br>1 | 38      | S320 and (stripes or stips)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S32<br>2 | 21077   | collimat\$3 and transmitting and<br>reflect\$3   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:15 |
| S32<br>3 | 284     | S322 and S302  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S32<br>4 | 267     | (combin\$3 or unit\$3 or mix\$3 or<br>compound\$3 or unif\$3) and S323   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S32<br>5 | 194     | S324 and laser   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S32<br>6 | 170     | (rotat\$3 or turn\$3 or revolv\$3 or<br>circumvolve) and S325  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S32<br>7 | 283     | S248 and collimate   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/05 17:51 |
| S32<br>8 | 3087772 | (rotat\$3 or turn\$3 or revolv\$3 or<br>circumvolve)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |

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|          |        |  |                              |    |    |                  |
|----------|--------|--|------------------------------|----|----|------------------|
| S32<br>9 | 26085  | S328 and S249  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S33<br>0 | 8605   | S250 and S329  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S33<br>1 | 104589 | (beam or ray or light\$3 or lite or illuminat\$3) adj2 (combin\$3 or unit\$3 or mix\$3 or compound\$3 or unif\$3)      | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S33<br>2 | 32878  | (collimat\$3 or parallel) adj lens\$2  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S33<br>3 | 2179   | (362/227-230,257,217).ccls.  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S33<br>4 | 341    | S315 and (first and second) near2 (light\$3 or beam or ray or lite)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 17:51 |
| S33<br>5 | 11447  | (rotat\$3 or turn\$3 or revolv\$3 or circumvolve) near5 degrees  | FPRS;<br>EPO; JPO            | OR | ON | 2007/11/05 17:51 |
| S33<br>6 | 15684  | (rotat\$3 or turn\$3 or revolv\$3 or circumvolve) near5 degrees.clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:16 |
| S33<br>7 | 21326  | (beam or ray or light\$3 or lite or illuminat\$3) adj2 (combin\$3 or unit\$3 or mix\$3 or compound\$3 or unif\$3).clm. | US-PGPUB;<br>USPAT;<br>FPRS  | OR | ON | 2007/11/05 18:16 |
| S33<br>8 | 36910  | ((ninety or "90") with degrees).clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:16 |
| S33<br>9 | 1480   | "semiconductor laser array" or (semi-conductor adj laser).clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:16 |
| S34<br>0 | 35353  | (strip or strip\$3) and reflect\$3.clm.  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:16 |
| S34<br>1 | 4698   | (collimat\$3 or parallel) adj lens\$2.clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:16 |
| S34<br>2 | 12210  | collimat\$3 and transmitting and reflect\$3.clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:16 |
| S34<br>3 | 12210  | collimat\$3 and transmitting and reflect\$3.clm.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:16 |
| S34<br>4 | 13525  | (beam or ray or light\$3 or lite or illuminat\$3) adj2 (convert\$3 or chang\$3 or alter\$3).clm.                       | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:17 |
| S34<br>5 | 105    | S336 and S337 and S338   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:17 |
| S34<br>6 | 1      | S339 and S345  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/05 18:17 |
| S34<br>7 | 46     | ("4794615"   "4813762"   "4895790"   "5081637"   "5268978"   "5369661").PN. OR ("5513201").URPN.                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/05 18:39 |

## EAST Search History

|          |    |   |                              |    |     |                  |
|----------|----|---|------------------------------|----|-----|------------------|
| S34<br>8 | 46 | ("4794615"   "4813762"  <br>"4895790"   "5081637"  <br>"5268978"   "5369661").PN. OR<br>("5513201").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/05 18:39 |
| S34<br>9 | 54 | "5513201"   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/09 10:48 |
| S35<br>0 | 1  | ("5513201").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/11/09 10:52 |
| S35<br>1 | 1  | S350 and (collimat\$3)  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/09 10:52 |